Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Compheresive Development of Maruthinagara Alfa School road and surrounding areas in Kempegowda Ward no-01

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(I No-19.1, P No-143), 8km lead								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	Loading and Unloding & Lead, 8KM	77.48							
	Total	215.28							
		Cum							
	RCC Drain								
	Ward 01, Maruthinagara								
	Alfa school road		1	211.00	1.10	0.90	208.89		
	8th cross		2	50.00	1.00	0.90	90.00		
	5th main		2	67.00	1.00	0.90	120.60		
	12th cross		2	148.00	1.10	0.90	293.04		
	11th cross		2	230.00	1.10	0.90	455.40		
	Desilt								
	Ward 01, Maruthinagara								
	Alfa school road		1	151.00	0.90	0.30	40.77		
	8th cross		2	206.00	0.45	0.30	55.62		
	5th main		1	30.00	0.45	0.30	4.05		
	12th cross		2	216.00	0.45	0.30	58.32		
	9th cross		2	363.00	0.45	0.30	98.01		
	Culvert		9	6.50	1.50	0.90	78.98		
				Area					
	Rain Water Harvesting pits		8	0.31		1.80	4.46		
							1508.14	215.28	324672.16
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. Data Rate								
	Data rate	1901.00		Area					
	a) 40mm Jelly	Cum	8	0.31		0.40	0.99	1901	1,885.79
	Data rate	1901.00							
	b) 20mm Jelly	Cum	8	0.31		0.40	0.99	1901	1,885.79
	Data rate	2651.00							
	c) Coarse sand.	Cum	8	0.31		0.30	0.74	2651	1,972.34
	Data rate	2651.00							
	d) Fine Sand	Cum	8	0.31		0.20	0.50	2651	1,314.90
	Data rate	1901.00							
	e) 12.5mm chips	Cum	8	0.31		0.30	0.74	1901	1,414.34

									Amount
3	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : **HDPE Grade PE80-PN6.0, 630 mm dia.** (Perforated Pipe for Rain Water Harvesting Pit) (BWSSB SR 2017-18, Pg No 121 Item No. 1.17 Code No. K010Q)								
	Basic rate	12121.00							
	Deduct 12% GST	1298.68							
	Total	10822.32							
		Rmt							
	0.63m dia HDPE Perforated		8	1.80			14.40		
							14.40	**10822.32**	**155841.41**
4	**Providing of Geonets** for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate								
	Data rate	71.03		Area					
		Sqm	8	0.31			**2.48**	**71.03**	**176.15**
5	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Basic rate	5115.00							
	Area Weightage 6%	306.90							
	Total	**5421.90**							
		Cum							
	RCC Drain								
	Ward 01, Maruthinagara								
	Alfa school road		1	211.00	1.10	0.15	34.82		
	8th cross		2	50.00	1.00	0.15	15.00		
	5th main		2	67.00	1.00	0.15	20.10		
	12th cross		2	148.00	1.10	0.15	48.84		
	11th cross		2	230.00	1.10	0.15	75.90		
	Culvert		9	6.50	1.50	0.15	13.16		
	For Kerb stone Bed								
	Alfa school road		1	322.00	0.20	0.10	6.44		
							214.26	**5421.90**	**1161682.74**

		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
6	Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs.** With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	6670.00							
	Area Weightage 6%	400.20							
	Total	**7070.20**							
		Cum							
	RCC Drain								
	Raft								
	Ward 01, Maruthinagara								
	Alfa school road		1	211.00	0.90	0.15	28.49		
	8th cross		2	50.00	0.80	0.15	12.00		
	5th main		2	67.00	0.80	0.15	16.08		
	12th cross		2	148.00	0.90	0.15	39.96		
	11th cross		2	230.00	0.90	0.15	62.10		
	Side Wall								
	Ward 01, Maruthinagara								
	Alfa school road		2	211.00	0.15	0.60	37.98		
	8th cross		4	50.00	0.15	0.60	18.00		
	5th main		4	67.00	0.15	0.60	24.12		
	12th cross		4	148.00	0.15	0.60	53.28		
	11th cross		4	230.00	0.15	0.60	82.80		
							374.81		
	Culvert Raft		9	6.50	1.20	0.20	14.04		
	Culvert Wall		18	6.50	0.23	0.60	16.15		
							30.19		
	Wall rising								
	Ward 01, Maruthinagara								
	8th cross		4	206.00	0.15	0.10	12.36		
	5th main		2	30.00	0.15	0.10	0.90		
	12th cross		4	216.00	0.15	0.10	12.96		
	9th cross		4	363.00	0.15	0.10	21.78		
							48.00		
							452.99	**7070.20**	**3202736.97**
7	KSRRB M2200-8. **Providing weep holes** in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing force. Complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per specifications. MORTH Specification No.2706 & 2200(P.No.229, I.No.28.10 of PW, P&IWTD S.R 2018-19), **75mm**								
	Basic rate	147.00							
	Area Weightage 6%	8.82							
	Total	**155.82**							
		Nos							
	RCC Drain @ 10m interval								

		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
			220				220.00		
							220.00	155.82	34,280.40
8	KSRRB - M2300-14: **Providing TMT steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	69804.00							
	Area Weightage 6%	4188.24							
	Total	73992.24							
		Tn							
	RCC Drain								
	For Drain 60kg/cum			374.81	0.06		22.49		
	For Culvert 90kg/cum			30.19	0.09		2.72		
							25.21	73992.24	1864977.37
9	Providing and Fixing **pre cast covering Slab 100mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Data rate	2337.00							
		Sqm							
	RCC Drain								
	Ward 01, Maruthinagara								
	Alfa school road		1	211.00	0.90		189.90		
	8th cross		2	50.00	0.75		75.00		
	5th main		2	67.00	0.75		100.50		
	12th cross		2	148.00	0.90		266.40		
	11th cross		2	230.00	0.90		414.00		
	missing slabs								
			150	0.60	0.90		81.00		
			146	0.60	0.90		78.84		
			190	0.60	0.90		102.60		
			140	0.60	0.90		75.60		
			175	0.60	0.90		94.50		
			136	0.60	0.90		73.44		
	Ward 01, Maruthinagara								
	8th cross		2	206.00	0.75		309.00		
	9th cross		2	363.00	0.75		544.50		
							2405.28	2337.00	5621139.36
10	Providing and fixing **RCC precast cover slab of 250mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	5418.00							
		Sqm							
	Ward 01, Maruthinagara								
	Culvert		9	6.50	1.20		70.20		

		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
							70.20	5418.00	380343.60
11	Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	For Drain	Nos							
	Ward 01, Maruthinagara								
	Alfa school road		1	322.00			322.00		
	per kerb = .45m						322.00	m	
							716.00	nos	
							716.00	432.48	309655.68
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
12	**Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	For Drain	Sqm							
	Ward 01, Maruthinagara								
	Alfa school road		1	322.00		0.40	128.80		
							128.80	84.80	10,922.24
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
13	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 8km lead= (I No-19.14,P No-143,KPWD SR 2018-19)								
	Basic rate	41.00							
	Area Weightage 6%	2.46							
	8km Lead	20.48							
	Total	63.94							
		Cum							
	Ward 01, Maruthinagara								
	Alfa school road		1	171.00	6.00	0.30	307.80		
	CC Road								
	12th cross		1	364.00	4.50	0.30	491.40		
	5th main		1	28.00	4.50	0.30	37.80		
	9th cross		1	363.00	4.50	0.30	490.05		
	11th cross		1	260.00	4.50	0.30	351.00		
							1678.05	63.94	107294.52

		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
14	KSRRB M300-53. **Construction of embankment** with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density..(P.No-147,I No-19.60)								
	Basic rate	325.00							
	Area Weightage 6%	19.50							
	Total	**344.50**							
		Cum							
	Ward 01, Maruthinagara								
	Alfa school road		1	171.00	6.00	0.30	307.80		
							307.80	**344.50**	**106037.10**
15	**Construction of granular sub-base Grading-V** as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)								
	Basic rate	1882.00							
	Area Weightage 6%	112.92							
	Total	**1994.92**							
		Cum							
	Ward 01, Maruthinagara								
	Alfa school road		1	171.00	6.00	0.15	153.90		
							153.90	**1994.92**	**307018.19**
16	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)								
	Basic rate	1888.00							
	Area Weightage 6%	113.28							
	Total	**2001.28**							
		Cum							
	Ward 01, Maruthinagara								
	Alfa school road		1	171.00	6.00	0.23	235.98		
							235.98	**2001.28**	**472262.05**
17	KSRRB M500-6. Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6), issue rate dated 01-07-2020								
	Basic rate	28.00							
	Area Weightage 6%	1.68							
	Total	**29.68**							
	Ward 01, Maruthinagara								
	Alfa school road		1	171.00	6.00		1026.00		

		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
							1026.00	29.68	30,451.68
18	KSRRB 500-7. Providing and applying **tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7) issue rate dated 01-07-2020								
	Basic rate	12.00							
	Area Weightage 6%	0.72							
	Total	12.72							
		Sqm							
	Ward 01, Maruthinagara								
	Alfa school road		1	171.00	6.00		1026.00		
							1026.00	12.72	13,050.72
19	KSRRB M500-17. Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6), issue rate dated 01-07-2020								
	Basic rate	6045.00							
	Area Weightage 6%	362.70							
	Total	6407.70							
		Cum							
	Ward 01, Maruthinagara								
	Alfa school road		1	171.00	6.00	0.05	51.30		
							51.30	6407.70	328715.01
20	Providing and laying **bituminous concrete 40mm thick** with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)(P.No-171,I No-21.78.12), issue rate dated 01-07-2020								
	Basic rate	7111.00							
	Area Weightage 6%	426.66							
	Total	7537.66							
		Cum							
	Ward 01, Maruthinagara								
	Alfa school road		1	171.00	6.00	0.04	41.04		
							41.04	7537.66	309345.57
21	KSRRB M800-13.**Road Marking** with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)								

	Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Basic rate	429.00							
	Area Weightage 6%	25.74							
	Total	454.74							
		Sqm							
	Ward 01, Maruthinagara								
	Alfa school road								
			3	171.00	0.10		42.75		
							42.75	454.74	19,440.14
22	KSRRB M600-1.Providing and **Constructing dry lean cement concrete** mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5. with OPC at 150 kg/cum and coarse aggregate .86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with Slip form paver with electronic sensor. (I No-22.1,P No-174)								
	Basic rate	3585.00							
	Area Weightage 6%	215.10							
	Total	3800.10							
		Cum							
	CC Road								
	12th cross		1	364.00	4.50	0.15	245.70		
	5th main		1	28.00	4.50	0.15	18.90		
	9th cross		1	363.00	4.50	0.15	245.03		
	11th cross		1	260.00	4.50	0.15	175.50		
							685.13	3800.10	2603543.51
23	**Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30** over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to(P.No-176,I No-22.6.1)								
	Basic rate	4916.00							
	Area Weightage 6%	294.96							
	Total	5210.96							
		Cum							
	CC Road								
	12th cross		1	364.00	4.50	0.15	245.70		
	5th main		1	28.00	4.50	0.15	18.90		
	9th cross		1	363.00	4.50	0.15	245.03		
	11th cross		1	260.00	4.50	0.15	175.50		

Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
						685.13	5210.96	3570158.97
							Total Construction Cost	20942218.69
							Towards GST 12%	2513066.24
							Towards Tender Premium 5%	1047110.93
							DPR & PMC Charges 2%	497000.00
							Sub Total	24999395.87
							Miscellaneous & Rounding Off	604.13
							Total	25000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 01-07-2020 and Data Rates

Assistant Engineer
Ward 01
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore

Bruhat Bangalore Mahanagara Palike

Executive Engineer Yelahanka Division

Name of Work: Compheresive Development of Eastern side of Kondappa Layout and sorrounding areas in Chowdeshwari Ward no-02

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	KSRRB 300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(I No-19.1, P No-143), 8km lead								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	Loading and Unloding & Lead, 4KM	77.48							
	Total	**215.28**							
		Cum							
East Kondappa Layout									
De silting of existing drain									
	Vijaya Jyothi School to 26th Cross RHS		1	524.30	0.60	0.67	209.96		
New Drain									
	16th Cross LHS		1	160.00	1.10	0.90	158.40		
	16th Cross RHS		1	89.50	1.10	0.90	88.61		
	15th Cross RHS		1	81.20	1.10	0.90	80.39		
	15th SubCross 2 LHS		1	25.00	1.30	0.90	29.25		
	14th Cross LHS		1	78.00	1.10	0.90	77.22		
	14th Cross RHS		1	36.50	1.30	0.90	42.71		
	14th Cross Sub Cross1 LHS		1	24.70	1.30	0.90	28.90		
	14th Cross Sub Cross1 RHS		1	25.50	1.30	0.90	29.84		
	14th Cross Sub Cross2 RHS		1	25.00	1.30	0.90	29.25		
	16th Cross Sub Cross2 RHS side LHS		1	25.00	1.30	0.90	29.25		
	16th Cross Sub Cross 1 LHS side RHS		1	48.00	1.30	0.90	56.16		
	15th Cross LHS		1	36.50	1.30	0.90	42.71		
	13th Cross RHS		1	49.00	1.30	0.90	57.33		
East Kondappa Layout New Culverts									
	12th Cross RHS @ 198.40m chainage		1	4.70	1.50	0.90	6.35		
	13th Cross RHS @ 21.30 m chainage		1	6.60	1.50	0.90	8.91		
	14th Cross road centre @ 40.50 m chainage		1	5.20	1.50	0.90	7.02		
	15th cross road end @ 87.20 m chainage		1	4.80	1.50	0.90	6.48		
	15th cross road centre @ 44.20 m chainage		1	4.50	1.50	0.90	6.08		
	15th subcross 1 LHS @ 46.50 m chainage		1	4.60	1.50	0.90	6.21		
	16th Cross centre @ 52.00 m chainage		1	4.50	1.50	0.90	6.08		
	16th subcross 2 RHS @ 94.00 m chainage		1	4.70	1.50	0.90	6.35		
	16th Cross sub cross2 LHS Drain @ 94.00 m chainage		1	5.00	1.50	0.90	6.75		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	16th Subcross 1 LHS @ 112.00m chainage		1	6.00	1.50	0.90	8.10		
	25th cross starting @ 612.60 m chainage		1	5.80	1.50	0.90	7.83		
	East kondappa to west kondappa connection @ 16th cross 312.80m chainage		1	4.50	1.50	0.90	6.08		
	Rain Water Harvesting Pits								
	16th cross road RHS @ 2.00m chainage		1		0.31	2.00	0.62		
	14th cross road RHS @ 2.00 m		1		0.31	2.00	0.62		
	West Kondapppa Layout New drain								
	29th Cross road next to New Telugu School Road LHS		1	37.00	1.10	0.90	36.63		
	27th Cross to RO water plant LHS		1	68.30	1.30	0.90	79.91		
	28th Cross Road LHS		1	184.50	1.10	0.90	182.66		
	28th Cross Road RHS		1	173.47	1.30	0.90	202.96		
	28th SubCross1 LHS		1	46.40	1.30	0.90	54.29		
							1599.86	**215.28**	**344418.72**
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.								
	Data rate	1901.00		Area					
	a) 40mm Jelly	Cum	8	0.31		0.40	0.99	1901	**1,885.7**
	Data rate	1901.00							
	b) 20mm Jelly	Cum	8	0.31		0.40	0.99	1901	**1,885.7**
	Data rate	2651.00							
	c) Coarse sand.	Cum	8	0.31		0.30	0.74	2651	**1,972.3**
	Data rate	2651.00							
	d) Fine Sand	Cum	8	0.31		0.20	0.50	2651	**1,314.9**
	Data rate	1901.00							
	e) 12.5mm chips	Cum	8	0.31		0.30	0.74	1901	**1,414.3**
3	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : **HDPE Grade PE80-PN6.0, 630 mm dia.** (Perforated Pipe for Rain Water Harvesting Pit) (BWSSB SR 2017-18, Pg No 121 Item No. 1.17 Code No. K010Q)								
	Basic rate	12121.00							
	Deduct 12% GST	1298.68							
	Total	10822.32							
		Rmt							
	0.63m dia HDPE Perforated Pipe. For 1.8 Mtr depth,		8	1.80			14.40		
							14.40	10822.32	155841.41

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
4	**Providing of Geonets** for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate								
	Data rate	71.03		Area					
		Sqm	8	0.31			2.48	71.03	176.15
5	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Basic rate	5115.00							
	Area Weightage 6%	306.90							
	Total	**5421.90**							
		Cum							
	RCC Drain								
East Kondappa Layout									
	16th Cross LHS		1	160.00	1.30	0.15	31.20		
	16th Cross RHS		1	89.50	1.30	0.15	17.45		
	15th Cross RHS		1	81.20	1.30	0.15	15.83		
	15th SubCross 2 LHS		1	25.00	1.30	0.15	4.88		
	14th Cross LHS		1	78.00	1.30	0.15	15.21		
	14th Cross RHS		1	36.50	1.30	0.15	7.12		
	14th Cross Sub Cross1 LHS		1	24.70	1.30	0.15	4.82		
	14th Cross Sub Cross1 RHS		1	25.50	1.30	0.15	4.97		
	14th Cross Sub Cross2 RHS		1	25.00	1.30	0.15	4.88		
	16th Cross Sub Cross2 RHS side		1	25.00	1.30	0.15	4.88		
	16th Cross Sub Cross 1 LHS side RHS		1	48.00	1.30	0.15	9.36		
	13th Cross LHS		1	36.50	1.30	0.15	7.12		
	13th Cross LHS		1	49.00	1.30	0.15	9.56		
New Culverts									
	12th Cross RHS @ 198.40m chainage		1	4.70	1.20	0.15	0.85		
	13th Cross RHS @ 21.30 m chainage		1	6.60	1.20	0.15	1.19		
	14th Cross road centre @ 40.50 m chainage		1	5.20	1.20	0.15	0.94		
	15th cross road end @ 87.20 m chainage		1	4.80	1.20	0.15	0.86		
	15th cross road centre @ 44.20 m chainage		1	4.50	1.20	0.15	0.81		
	15th subcross 1 LHS @ 46.50 m chainage		1	4.60	1.20	0.15	0.83		
	16th Cross centre @ 52.00 m chainage		1	4.50	1.20	0.15	0.81		
	16th subcross 2 RHS @ 94.00 m chainage		1	4.70	1.20	0.15	0.85		
	16th Cross sub cross2 LHS Drain @ 94.00 m chainage		1	5.00	1.20	0.15	0.90		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	16th Subcross 1 LHS @ 112.00m chainage		1	6.00	1.20	0.15	1.08		
	25th cross starting @ 612.60 m chainage		1	5.80	1.20	0.15	1.04		
	East kondappa to west kondappa connection @ 16th cross 312.80m chainage		1	4.50	1.30	0.15	0.88		
	West Kondapppa Layout New drain								
	29th Cross road next to New Telugu School Road LHS		1	37.00	1.30	0.15	7.22		
	27th Cross to RO water plant LHS		1	68.30	1.30	0.15	13.32		
	28th Cross Road LHS		1	184.50	1.30	0.15	35.98		
	28th Cross Road RHS		1	173.47	1.30	0.15	33.83		
	28th SubCross1 LHS		1	46.50	1.30	0.15	9.07		
							247.70	**5421.90**	**1343004.6**
6	Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs**. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	6670.00							
	Area Weightage 6%	400.20							
	Total	**7070.20**							
		Cum							
	East Kondappa Layout								
	RAFT Concrete								
	16th Cross LHS		1	160.00	0.90	0.15	21.75		
	16th Cross RHS		1	89.50	0.90	0.15	12.08		
	15th Cross RHS		1	81.20	0.90	0.15	10.96		
	15th SubCross 2 LHS		1	25.00	0.90	0.15	3.38		
	14th Cross LHS		1	78.00	0.90	0.15	10.53		
	14th Cross RHS		1	36.50	0.90	0.15	4.93		
	14th Cross Sub Cross1 LHS		1	24.70	0.90	0.15	3.33		
	14th Cross Sub Cross1 RHS		1	25.50	0.90	0.15	3.44		
	14th Cross Sub Cross2 RHS		1	25.00	0.90	0.15	3.38		
	16th Cross Sub Cross2 RHS side		1	25.00	0.90	0.15	3.38		
	16th Cross Sub Cross 1 LHS side RHS		1	48.00	0.90	0.15	6.48		
	13th Cross LHS		1	36.50	0.90	0.15	4.93		
	13th Cross RHS		1	49.00	0.90	0.15	6.62		
	SIDE WALL Concrete								
	Existing drain - Side wall raising								
	East Kondappa Layout								
	Vijaya Jyothi School to 26th Cross RHS		2	524.30	0.15	0.42	65.73		
	16th Cross LHS		2	160.00	0.15	0.70	33.60		
	16th Cross RHS		2	89.50	0.15	0.70	18.80		
	15th Cross RHS		2	81.20	0.15	0.70	17.05		
	15th SubCross 2 LHS		2	25.00	0.15	0.70	5.25		
	14th Cross LHS		2	78.00	0.15	0.70	16.38		
	14th Cross RHS		2	36.50	0.15	0.65	7.12		
	14th Cross Sub Cross1 LHS		2	24.70	0.15	0.70	5.19		
	14th Cross Sub Cross1 RHS		2	25.50	0.15	0.70	5.36		
	14th Cross Sub Cross2 RHS		2	25.00	0.15	0.70	5.25		
	16th Cross Sub Cross2 RHS side		2	25.00	0.15	0.70	5.25		
	16th Cross Sub Cross 1 LHS side RHS		2	48.00	0.15	0.70	10.08		
	13th Cross LHS		2	36.50	0.15	0.69	7.56		
	13th Cross RHS		2	49.00	0.15	0.70	10.29		

of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
ast Kondappa Layout New Culverts Raft								
12th Cross RHS @ 198.40m chainage		1	4.70	1.20	0.15	0.85		
13th Cross RHS @ 21.30 m chainage		1	6.60	1.20	0.15	1.19		
14th Cross road centre @40.50 m chainage		1	5.20	1.20	0.15	0.94		
15th cross road end @ 87.20 m chainage		1	4.80	1.20	0.15	0.86		
15th cross road centre @ 44.20 m chainage		1	4.50	1.20	0.15	0.81		
15th subcross 1 LHS @ 46.50 m chainage		1	4.60	1.20	0.15	0.83		
16th Cross centre @ 52.00 m chainage		1	4.50	1.20	0.15	0.81		
16th subcross 2 RHS @ 94.00 m chainage		1	4.70	1.20	0.15	0.85		
16th Cross sub cross2 LHS Drain @ 94.00 m chainage		1	5.00	1.20	0.15	0.90		
16th Subcross 1 LHS @ 112.00m chainage		1	6.00	1.20	0.15	1.08		
25th cross starting @ 612.60 m chainage		1	5.80	1.20	0.15	1.04		
East kondappa to west kondappa connection @ 16th cross 312.80m chainage		1	4.50	1.20	0.15	0.81		
East Kondappa Layout New Culverts Walls								
12th Cross RHS@ 198.40m chainage		2	4.70	0.23	0.60	1.30		
13th Cross RHS@ 21.30 m chainage		2	6.60	0.23	0.60	1.82		
14th Cross road centre @ 40.50 m chainage		2	5.20	0.23	0.60	1.44		
15th cross road end @ 87.20 m chainage		2	4.80	0.23	0.60	1.32		
15th cross road centre @ 44.20 m chainage		2	4.50	0.23	0.60	1.24		
15th subcross 1 LHS@ 46.50 m chainage		2	4.60	0.23	0.60	1.27		
16th Cross centre@ 52.00 m chainage		2	4.50	0.23	0.60	1.24		
16th subcross 2 RHS @ 94.00 m chainage		2	4.70	0.23	0.60	1.30		
16th Cross sub cross2 LHS Drain @ 94.00 m chainage		2	5.00	0.23	0.60	1.38		
16th Subcross 1 LHS @ 112.00m chainage		2	6.00	0.23	0.60	1.66		
25th cross starting @ 612.60 m chainage		2	5.80	0.23	0.60	1.60		
East kondappa to west kondappa connection @ 16th cross 312.80m chainage		2	4.50	0.23	0.60	1.24		
West Kondappa Layout New drain raft								
29th Cross road next to New Telugu School Road LHS		1	37.00	0.90	0.15	5.00		
27th Cross to RO water plant LHS		1	68.30	0.90	0.15	9.22		
28th Cross Road LHS		1	184.50	0.90	0.15	24.91		
Road RHS		1	175.50	0.90	0.15	23.69		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	28th SubCross1 LHS		1	46.50	0.90	0.15	6.28		
	est Kondappa Layout New drain side wall								
	29th Cross road next to New Telugu School Road LHS		2	37.00	0.15	0.70	7.77		
	27th Cross to RO water plant LHS		2	68.30	0.15	0.68	13.89		
	28th Cross Road LHS		2	184.50	0.15	0.70	38.69		
	28th Cross Road RHS		2	175.50	0.15	0.72	37.81		
	28th SubCross1 LHS		2	46.50	0.15	0.70	9.77		
							512.86	**7070.20**	**3626002.9**
7	KSRRB - M2300-14: **Providing TMT steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	69804.00							
	Area Weightage 6%	4188.24							
	Total	**73992.24**							
		Tn							
	East Kondappa Layout								
	For Drain 60kg/cum			441.03	0.06		26.46		
	For Culvert 90kg/cum			71.83	0.09		6.46		
							32.93	**73992.24**	**2436286.8**
8	Providing and Fixing **pre cast covering Slab 100mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Data rate	2337.00							
		Sqm							
	East Kondappa Layout Main Road								
	Vijaya Jyothi School to 26th Cross RHS		1	524.30	0.90		471.87		
	16th Cross LHS		1	160.00	0.90		144.00		
	16th Cross RHS		1	89.50	0.90		80.55		
	15th Cross RHS		1	81.20	0.90		73.08		
	15th Cross sub cross 2 LHS		1	25.00	0.90		22.50		
	14th Cross LHS		1	78.00	0.90		70.20		
	14th Cross LHS		1	36.50	0.90		32.85		
	14th Cross Sub Cross1 LHS		1	32.20	0.90		28.98		
	14th Cross Sub Cross1 RHS		1	36.63	0.90		32.97		
	14th Cross Sub Cross2 RHS		1	25.00	0.90		22.50		
	16th Sub Cross2 LHS		1	25.00	0.90		22.50		
	16th Sub Cross1 RHS		1	48.00	0.90		43.20		
	13th cross LHS		1	36.50	0.90		32.85		
	13th cross RHS		1	45.00	0.90		40.50		
							1118.55		
	Deduct 25% available slabs						279.64		
						Total Qty	**838.91**	**2337.00**	**1960538.5**
9	Providing and fixing **RCC precast cover slab of 250mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	5418.00							

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	East kondappa Layout Main road New culverts	**Sqm**							
	Culvert								
			24	5.80	1.20		167.04		
							167.04	**5418.00**	**905022.7**
10	Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	East Kondappa Layout								
	Vijaya Jyothi School to 26th Cross RHS		1	208.00			208	M	
							462	Nos	
							462	**432.48**	**199805.7**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
11	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.								
	East Kondappa Layout								
	Vijaya Jyothi School to 26th Cross RHS		1	520.00	0.35		182		
							182	**84.80**	**15,433.6**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
12	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. Loading and unloading								
	Basic rate	899.00							
	Area Weightage 6%	53.94							
	8km lead	20.48							
	Total	**973.42**							
		Cum							
	East Kondappa Layout								
	16th cross road		1	165.00	4.89	0.20	165.00		
	Sub cross 2		1	48.00	4.00	0.20	38.40		
							203.40	**973.42**	**197993.6**
13	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5. with OPC at 150 kg/cum and coarse aggregate .86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with Slip form paver with electronic sensor.								
	Basic rate	3585.00							
	Area Weightage 6%	215.10							
	Total	3800.10							

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	East Kondappa Layout	**Cum**							
	16th cross road								
	Sub cross 2		1	165.00	5.00	0.15	123.75		
			1	48.00	4.00	0.15	28.80		
							152.55	**3800.10**	**579705.2**
14	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound.								
	Basic rate	4916.00							
	Area Weightage 6%	294.96							
	Total	**5210.96**							
		Cum							
	East Kondappa Layout								
	16th cross road		1	165.00	5.00	0.15	123.75		
	Sub cross 2		1	48.00	4.00	0.15	28.80		
							152.55	**5210.96**	**794931.9**
								Total Construction Cost	**12567635.3**
								Towards GST 12%	**1508116.2**
								Towards Tender Premium 5%	**628381.7**
								DPR & PMC Charges 2%	**295000.0**
								Sub Total	**14999133.3**
								Miscellaneous & Rounding Off	**866.68**
								Total	**15000000.0**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 01-07-2020 and Data Rates

Assistant Engineer
Ward 02
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore

Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Compheresive Development of Western side of Kondappa Layout and sorrounding areas in Chowdeshwari Ward no-02

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	KSRRB 300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(I No-19.1, P No-143), 8km lead								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	Loading and Unloding & Lead, 4KM	77.48							
	Total	**215.28**							
		Cum							
West Kondappa Layout									
New Drain									
	28th Cross Subcross1 LHS		1	31.20	1.30	0.90	36.50		
	28th Cross Subcross1 LHS		1	32.00	1.30	0.90	37.44		
	27th Cross Subcross1 LHS		1	25.80	1.30	0.90	30.19		
	29th Cross Subcross1 LHS		1	25.70	1.30	0.90	30.07		
	29th Cross Subcross1 RHS		1	26.50	1.30	0.90	31.01		
	30th Cross way to New Telugu School RHS		1	32.70	1.30	0.90	38.26		
	30th Cross way to New Telugu School LHS		1	35.30	1.30	0.90	41.30		
	New Telugu School LHS		1	25.70	1.30	0.90	30.07		
	New Telugu School RHS		1	62.80	1.10	0.90	62.17		
	28th SubCross1 RHS		1	46.50	1.30	0.90	54.41		
	30th SubCross1 LHS		1	10.50	1.30	0.90	12.29		
	30th SubCross1 RHS		1	10.50	1.30	0.90	12.29		
	28th SubCross 2 LHS		1	46.50	1.30	0.90	54.41		
	Vijayajyothi school to 26th cross main road LHS		1	523.24	1.10	0.90	518.01		
	New Telugu school back side		1	30.09	1.30	0.90	35.21		
	30th Cross LHS		1	76.00	1.30	0.90	177.84		
	30th Cross RHS		1	45.00	1.30	0.90	105.30		
West Kondappa layout New culverts									
	Main road, LHS @54.35 m Chainage		1	4.70	1.50	0.90	6.35		
	Main road, LHS @88.40m Chainage		1	5.80	1.50	0.90	7.83		
	Main road, LHS @ 137.5 m Chainage		1	7.90	1.50	0.90	10.67		
	Main road, LHS @ 173.85m Chainage		1	6.70	1.50	0.90	9.05		
	Main road, LHS @ 200.6 m Chainage		1	4.20	1.50	0.90	5.67		
	Main road, LHS @ 228.5 m Chainage		1	11.00	1.50	0.90	14.85		
	Main road, LHS @ 473.5 m Chainage		1	9.00	1.50	0.90	12.15		
	Main road, LHS @ 509 m Chainage		1	9.00	1.50	0.90	12.15		
	Main road, LHS @ 539.5 m Chainage		1	9.00	1.50	0.90	12.15		
	Main road, LHS @ 576.5 m Chainage		1	9.00	1.50	0.90	12.15		
	Main road, LHS @ 608 m Chainage		1	7.00	1.50	0.90	9.45		
Rain Water Harvesting Pits									
	8th Cross road @ 51.00 m chainage		1		0.31	2.00	0.62		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	West kondappa open land @ 58.00m chainage		1	0.31		2.00	0.62		
	West kondappa open land @ 106.50m chainage		1	0.31		2.00	0.62		
	27th cross near RO plant @ 219.20m chainage		1	0.31		2.00	0.62		
	28th cross opposite to ganesha temple @ 279.70m chainage		1	0.31		2.00	0.62		
	Sai baba temple road @381.00m chainage		1	0.31		2.00	0.62		
	opposite to Ramesh layout @ 468.00m chainage		1	0.31		2.00	0.62		
	opposite to Ramesh layout @ 468.00m chainage		1	0.31		2.00	0.62		
	opposite to Ramesh layout @ 514.50m chainage		1	0.31		2.00	0.62		
	opposite to Ramesh layout @ 534.00m chainage		1	0.31		2.00	0.62		
	opposite to Ramesh layout @ 571.00m chainage		1	0.31		2.00	0.62		
							1426.01	**215.28**	**306992.29**
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.								
	Data rate	1901.00		Area					
	a) 40mm Jelly	Cum	8	0.31		0.40	0.99	1901	**1,885.7**
	Data rate	1901.00							
	b) 20mm Jelly	Cum	8	0.31		0.40	0.99	1901	**1,885.7**
	Data rate	2651.00							
	c) Coarse sand.	Cum	8	0.31		0.30	0.74	2651	**1,972.3**
	Data rate	2651.00							
	d) Fine Sand	Cum	8	0.31		0.20	0.50	2651	**1,314.9**
	Data rate	1901.00							
	e) 12.5mm chips	Cum	8	0.31		0.30	0.74	1901	**1,414.3**
3	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : **HDPE Grade PE80-PN6.0, 630 mm dia.** (Perforated Pipe for Rain Water Harvesting Pit) (BWSSB SR 2017-18, Pg No 121 Item No. 1.17 Code No. K010Q)								
	Basic rate	12121.00							
	Deduct 12% GST	1298.68							
	Total	10822.32							
		Rmt							
	0.63m dia HDPE Perforated pipe For 1.8 Mtr depth,		8	1.80			14.40		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
							14.40	10822.32	155841.41
4	**Providing of Geonets** for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate								
	Data rate	71.03		Area					
		Sqm	8	0.31			2.48	71.03	176.15
5	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Basic rate	5115.00							
	Area Weightage 6%	306.90							
	Total	**5421.90**							
		Cum							
	RCC Drain								
West Kondappa Layout									
	28th Cross Subcross1 LHS		1	31.20	1.30	0.15	6.08		
	28th Cross Subcross1 LHS		1	41.55	1.30	0.15	8.10		
	27th Cross Subcross1 LHS		1	30.50	1.30	0.15	5.95		
	29th Cross Subcross1 LHS		1	30.20	1.30	0.15	5.89		
	29th Cross Subcross1 RHS		1	28.80	1.30	0.15	5.62		
	30th Cross way to New Telugu School		1	32.70	1.30	0.15	6.38		
	30th Cross way to New Telugu School		1	35.30	1.30	0.15	6.88		
	New Telugu School LHS		1	35.70	1.30	0.15	6.96		
	New Telugu School RHS		1	79.80	1.30	0.15	15.56		
	28th SubCross1 RHS		1	56.30	1.30	0.15	10.98		
	30th SubCross1 LHS		1	15.50	1.30	0.15	3.02		
	30th SubCross1 RHS		1	15.50	1.30	0.15	3.02		
	28th SubCross 2 LHS		1	46.50	1.30	0.15	9.07		
	Vijayajyothi school to 26th cross main road LHS		1	530.00	1.30	0.15	103.35		
	New Telugu school back side		1	30.60	1.30	0.15	5.97		
	30th Cross LHS		2	76.00	1.30	0.15	29.64		
	30th Cross RHS		2	45.00	1.30	0.15	17.55		
New **Culverts @ West Kondappa Layout**									
	Main road, LHS @54.35 m Chainage		1	4.70	1.50	0.15	1.06		
	Main road, LHS @88.40m Chainage		1	5.80	1.50	0.15	1.31		
	Main road, LHS @ 137.5 m Chainage		1	7.90	1.50	0.15	1.78		
	Main road, LHS @ 173.85m Chainage		1	6.70	1.50	0.15	1.51		
	Main road, LHS @ 200.6 m Chainage		1	4.20	1.50	0.15	0.95		
	Main road, LHS @ 228.5 m Chainage		1	11.00	1.50	0.15	2.48		
	Main road, LHS @ 473.5 m Chainage		1	9.00	1.50	0.15	2.03		
	Main road, LHS @ 509 m Chainage		1	9.00	1.50	0.15	2.03		

	ption of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Main road, LHS@ 539.5 m Chainage		1	9.00	1.50	0.15	2.03		
	Main road, LHS @ 576.5 m Chainage		1	9.00	1.50	0.15	2.03		
	Main road, LHS @ 608 m Chainage		1	7.00	1.50	0.15	1.58		
							268.76	5421.90	1457162.7
6	Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs**. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	6670.00							
	Area Weightage 6%	400.20							
	Total	**7070.20**							
		Cum							
New Drain									
				RAFT Concrete					
West Kondappa Layout									
	28th Cross Subcross1 LHS		1	31.20	0.90	0.15	4.21		
	28th Cross Subcross1 LHS		1	32.00	0.90	0.15	4.32		
	27th Cross Subcross1 LHS		1	25.80	0.90	0.15	3.48		
	29th Cross Subcross1 LHS		1	25.70	0.90	0.15	3.47		
	29th Cross Subcross1 RHS		1	26.50	0.90	0.15	3.58		
	30th Cross way to New Telugu School RHS		1	32.70	0.90	0.15	4.41		
	30th Cross way to New Telugu School LHS		1	35.30	0.90	0.15	4.77		
	New Telugu School LHS		1	25.70	0.90	0.15	3.47		
	New Telugu School RHS		1	62.80	0.90	0.15	8.48		
	28th SubCross1 RHS		1	46.50	0.90	0.15	6.28		
	30th SubCross1 LHS		1	10.50	0.90	0.15	1.42		
	30th SubCross1 RHS		1	10.50	0.90	0.15	1.42		
	28th SubCross 2 LHS		1	46.50	0.90	0.15	6.28		
	Vijayajyothi school to 26th cross main road LHS		1	521.10	0.90	0.15	70.35		
	New Telugu school back side		1	30.60	0.90	0.15	4.13		
	30th Cross LHS		1	76.00	0.90	0.15	10.26		
	30th Cross RHS		1	45.00	0.90	0.15	6.08		
				SIDE WALL Concrete					
West Kondappa Layout									
	28th Cross Subcross1 LHS		2	31.20	0.15	0.70	6.55		
	28th Cross Subcross1 LHS		2	32.00	0.15	0.70	6.72		
	27th Cross Subcross1 LHS		2	25.80	0.15	0.70	5.42		
	29th Cross Subcross1 LHS		2	25.70	0.15	0.70	5.40		
	29th Cross Subcross1 RHS		2	26.50	0.15	0.75	5.96		
	30th Cross way to New Telugu School RHS		2	32.70	0.15	0.70	6.87		
	30th Cross way to New Telugu School LHS		2	35.30	0.15	0.70	7.41		
	New Telugu School LHS		2	25.70	0.15	0.70	5.40		
	New Telugu School RHS		2	62.80	0.15	0.70	13.19		
	28th SubCross1 RHS		2	46.50	0.15	0.70	9.77		
	30th SubCross1 LHS		2	10.50	0.15	0.70	2.21		
	30th SubCross1 RHS		2	10.50	0.15	0.70	2.21		
	28th SubCross 2 LHS		2	46.50	0.15	0.70	9.77		
	Vijayajyothi school to 26th cross main road LHS		2	521.10	0.15	1.13	175.97		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	New Telugu school back side								
	30th Cross LHS		2	30.60	0.15	0.65	5.97		
	30th Cross RHS		2	76.00	0.15	0.70	15.96		
	est Kondappa layout New culverts raft		2	45.00	0.15	0.70	9.45		
	Main road, LHS @54.35 m Chainage		1	4.70	1.20	0.20	1.13		
	Main road, LHS @88.40m Chainage		1	5.80	1.20	0.20	1.39		
	Main road, LHS @ 137.5 m Chainage		1	7.90	1.20	0.20	1.90		
	Main road, LHS @ 173.85m Chainage		1	6.70	1.20	0.20	1.61		
	Main road, LHS @ 200.6 m Chainage		1	4.20	1.20	0.20	1.01		
	Main road, LHS @ 228.5 m Chainage		1	11.00	1.20	0.20	2.64		
	Main road, LHS @ 473.5 m Chainage		1	9.00	1.20	0.20	2.16		
	Main road, LHS @ 509 m Chainage		1	9.00	1.20	0.20	2.16		
	Main road, LHS @ 539.5 m Chainage		1	9.00	1.20	0.20	2.16		
	Main road, LHS @ 576.5 m Chainage		1	9.00	1.20	0.20	2.16		
	Main road, LHS @ 608 m Chainage		1	7.00	1.20	0.20	1.68		
	Vest Kondappa layout New culverts walls								
	Main road, LHS@54.35 m Chainage		2	4.70	0.23	0.60	1.30		
	Main road, LHS @88.40m Chainage		2	5.80	0.23	0.60	1.60		
	Main road, LHS @ 137.5 m Chainage		2	7.90	0.23	0.60	2.18		
	Main road, LHS @ 173.85m Chainage		2	6.70	0.23	0.60	1.85		
	Main road, LHS @ 200.6 m Chainage		2	4.20	0.23	0.60	1.16		
	Main road, LHS @ 228.5 m Chainage		2	11.00	0.23	0.60	3.04		
	Main road, LHS @ 473.5 m Chainage		2	9.00	0.23	0.60	2.48		
	Main road, LHS @ 509 m Chainage		2	9.00	0.23	0.60	2.48		
	Main road, LHS @ 539.5 m Chainage		2	9.00	0.23	0.60	2.48		
	Main road, LHS@ 576.5 m Chainage		2	9.00	0.23	0.60	2.48		
	Main road, LHS @ 608 m Chainage		2	7.00	0.23	0.60	1.93		
							483.58	**7070.20**	**3419004.4**
7	KSRRB - M2300-14: **Providing TMT steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	69804.00							
	Area Weightage 6%	4188.24							
	Total	**73992.24**							
		Tn							
	West Kondappa Layout			462.63	0.06		27.76		
	For Drain 60kg/cum			20.95	0.09		1.89		
	For Culvert 90kg/cum						**29.64**	**73992.24**	**2193371.5**

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	New Telugu school back side								
	30th Cross LHS		2	30.60	0.15	0.65	5.97		
	30th Cross RHS		2	76.00	0.15	0.70	15.96		
	West Kondappa layout New culverts raft		2	45.00	0.15	0.70	9.45		
	Main road, LHS @54.35 m Chainage		1	4.70	1.20	0.20	1.13		
	Main road, LHS @88.40m Chainage		1	5.80	1.20	0.20	1.39		
	Main road, LHS @ 137.5 m Chainage		1	7.90	1.20	0.20	1.90		
	Main road, LHS @ 173.85m Chainage		1	6.70	1.20	0.20	1.61		
	Main road, LHS @ 200.6 m Chainage		1	4.20	1.20	0.20	1.01		
	Main road, LHS @ 228.5 m Chainage		1	11.00	1.20	0.20	2.64		
	Main road, LHS @ 473.5 m Chainage		1	9.00	1.20	0.20	2.16		
	Main road, LHS @ 509 m Chainage		1	9.00	1.20	0.20	2.16		
	Main road, LHS @ 539.5 m Chainage		1	9.00	1.20	0.20	2.16		
	Main road, LHS @ 576.5 m Chainage		1	9.00	1.20	0.20	2.16		
	Main road, LHS @ 608 m Chainage		1	7.00	1.20	0.20	1.68		
	West Kondappa layout New culverts walls								
	Main road, LHS@54.35 m Chainage		2	4.70	0.23	0.60	1.30		
	Main road, LHS @88.40m Chainage		2	5.80	0.23	0.60	1.60		
	Main road, LHS @ 137.5 m Chainage		2	7.90	0.23	0.60	2.18		
	Main road, LHS @ 173.85m Chainage		2	6.70	0.23	0.60	1.85		
	Main road, LHS @ 200.6 m Chainage		2	4.20	0.23	0.60	1.16		
	Main road, LHS @ 228.5 m Chainage		2	11.00	0.23	0.60	3.04		
	Main road, LHS @ 473.5 m Chainage		2	9.00	0.23	0.60	2.48		
	Main road, LHS @ 509 m Chainage		2	9.00	0.23	0.60	2.48		
	Main road, LHS @ 539.5 m Chainage		2	9.00	0.23	0.60	2.48		
	Main road, LHS@ 576.5 m Chainage		2	9.00	0.23	0.60	2.48		
	Main road, LHS @ 608 m Chainage		2	7.00	0.23	0.60	1.93		
							483.58	**7070.20**	**3419004.4**
7	KSRRB - M2300-14: **Providing TMT steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	69804.00							
	Area Weightage 6%	4188.24							
	Total	**73992.24**							
		Tn							
	West Kondappa Layout								
	For Drain 60kg/cum			462.63	0.06		27.76		
	For Culvert 90kg/cum			20.95	0.09		1.89		
							29.64	**73992.24**	**2193371.5**

No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
8	Providing and Fixing **pre cast covering Slab 100mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Data rate	2337.00							
		Sqm							
	West Kondappa Layout								
	28th Cross Road LHS		1	184.50	0.75		138.38		
	28th Cross Road RHS		1	175.50	0.75		131.63		
	28th Cross Subcross1 LHS		1	31.20	0.75		23.40		
	30th Cross way to New Telugu School		1	32.70	0.75		24.53		
	30th Cross way to New Telugu School		1	35.30	0.75		26.48		
	New Telugu School LHS		1	25.70	0.75		19.28		
	New Telugu School RHS		1	62.80	0.75		47.10		
	Vijayajyothi school to 26th cross main road LHS		1	521.10	0.75		390.83		
	30th Cross LHS		1	76.00	0.75		57.00		
	30th Cross RHS		1	45.00	0.75		33.75		
	29th Cross road next to New Telugu School Road LHS		1	44.80	0.75		33.60		
							925.95		
	Deduct 20% available slabs						185.19		
						Total Qty	**740.76**	**2337.00**	**1731156.1**
9	Providing and fixing **RCC precast cover slab of 250mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	5418.00							
		Sqm							
	West Kondappa layout New Culverts								
	Culvert		7	5.80	1.20		48.72		
							48.72	**5418.00**	**263964.9**
13	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. Loading and unloading								
	Basic rate	899.00							
	Area Weightage 6%	53.94							
	8km lead	20.48							
	Total	**973.42**							
		Cum							
	West Kondappa Layout								
	27th cross		1	205.40	5.90	0.20	242.40		
	28th cross subcross 1		1	46.50	3.40	0.20	31.62		
							274.02	**973.42**	**266736.5**

NO	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
14	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5. with OPC at 150 kg/cum and coarse aggregate .86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with Slip form paver with electronic sensor.								
	Basic rate	3585.00							
	Area Weightage 6%	215.10							

No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Total	3800.10							
		Cum							
	West Kondappa Layout								
	27th cross		1	202.00	6.00	0.15	181.80		
	28th cross subcross 1		1	31.00	5.10	0.15	23.72		
	Cut portion								
	29th cross		1	98.00	1.30	0.15	19.11		
	30th cross		1	78.00	1.40	0.15	16.38		
							241.01	**3800.10**	**915843.1**
15	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound.								
	Basic rate	4916.00							
	Area Weightage 6%	294.96							
	Total	**5210.96**							
		Cum							
	CC Road								
	27th cross		1	202.00	6.00	0.15	181.80		
	28th cross subcross 1		1	31.00	5.10	0.15	23.72		
	29th cross Cut Portion		1	98.00	5.70	0.15	83.79		
	30th cross Cut Portion		1	78.00	5.60	0.15	65.52		
							354.83	**5210.96**	**1848978.8**
								Total Construction Cost	**12567701.3**
								Towards GST 12%	**1508124.1**
								Towards Tender Premium 5%	**628385.0**
								DPR & PMC Charges 2%	**295000.0**
								Sub Total	**14999210.5**
								Miscellaneous & Rounding Off	**789.42**
								Total	**15000000.0**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 01-07-2020 and Data Rates

Assistant Engineer
Ward 02
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore

Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Compheresive Development of Western side of Kamakshamma Layout and sorrounding areas in Chowdeshwari Ward no-02

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	KSRRB 300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(I No-19.1, P No-143), 8km lead								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	Loading and Unloding & Lead, 4KM	77.48							
	Total	**215.28**							
		Cum							
West Kamakshamma Layout									
	3rd Cross LHS		1	104.00	1.10	0.90	102.96		
	3rd Cross Road RHS		1	102.00	1.10	0.90	100.98		
	3rd Cross Subcross 2 LHS		1	11.00	1.30	0.90	12.87		
	3rd Cross Subcross 2 RHS		1	25.60	1.30	0.90	29.95		
	4th Cross Road LHS		1	128.90	1.10	0.90	127.61		
	4th Cross Road RHS		1	120.00	1.10	0.90	118.80		
	4th Cross Road RHS		1	6.70	1.30	0.90	7.84		
	4th Cross Sub cross 1 LHS,RHS		2	25.50	1.10	0.90	50.49		
	5th Cross Sub cross 1 LHS		1	25.00	1.10	0.90	24.75		
	5th Cross Sub cross 1 RHS		1	26.50	1.10	0.90	26.24		
	6th Cross LHS		1	61.40	1.30	0.90	71.84		
	6th Cross RHS		1	88.00	1.30	0.90	102.96		
	8th Cross LHS		1	35.50	1.30	0.90	41.54		
	8th Cross RHS		1	37.40	1.30	0.90	43.76		
	8th Cross sub cross 1 RHS		1	24.80	1.30	0.90	29.02		
	Railway entrance to vijaya jyothi school		1	155.00	1.10	0.90	153.45		
	Railway entrance to vijaya jyothi school retaining wall		1	145.20	1.10	0.90	143.75		
	2nd cross sub cross 1 LHS		1	24.50	1.30	0.90	28.67		
	2nd cross sub cross 1 RHS		1	24.50	1.30	0.90	28.67		
	1st cross sub cross 1 RHS		1	25.00	1.30	0.90	29.25		
	5th cross LHS		1	32.00	1.10	0.90	31.68		
	5th cross RHS		1	75.00	1.10	0.90	74.25		
West Kamakshamma layout New Culverts									
	Main road LHS @ 39.45 m chainage		1	7.00	1.50	1.00	10.5		
	Main road LHS @ 73.3 m chainage		1	5.40	1.50	1.00	1.535		
	Main road LHS @ 102.25 m chainage		1	6.50	1.50	1.00	9.75		
	Main road LHS @ 136.1 m chainage		1	8.20	1.50	1.00	12.3		
	Main road LHS @ 160.5 m chainage		1	5.00	1.50	1.00	7.5		
	Main road LHS @ 180.25 m chainage		1	5.90	1.50	1.00	8.85		
	3rd cross LHS @0.00 mchainage		1	6.50	1.50	1.00	9.75		
	3rd cross RHS @0.00m chainage		1	6.30	1.50	1.00	9.45		
	1st cross @ 44.55 m chainage		1	5.50	1.50	1.00	8.25		
	@75.8m chainage		1	6.40	1.50	1.00	9.6		
			1	6.20	1.50	1.00	9.3		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	4th cross @ 141m chainage		1	5.20	1.50	1.00	7.8		
	5th cross @ 166.6 m chainage		1	5.40	1.50	0.90	7.29		
	Rain Water Harvesting Pits								
	West Kamakshamma layout main road		1		0.28	2.00	0.57		
	2nd cross near RO plant @ 69.00m		1		0.28	2.00	0.57		
	2nd cross near RO plant @ 69.80m		1		0.28	2.00	0.57		
	3rd cross @ 98.00m chainage		1		0.28	2.00	0.57		
	3rd cross @ 106.00m chainage		1		0.28	2.00	0.57		
	West Kondappa layout New culverts								
	30th Cross @0.00 m chainage		1	6.30	1.50	0.90	8.51		
	29th Cross , 1st culvert @12.60m		1	4.80	1.50	0.90	6.48		
	29th Cross , 2nd culvert @44.70m		1	4.80	1.50	0.90	6.48		
	29th Cross , 3rd culvert @ 62.50m		1	4.50	1.50	0.90	6.08		
	27th cross road centre @ 80.00 m		1	6.50	1.50	0.90	8.78		
	New Telugu school road @ 0.00m		1	5.00	1.50	0.90	6.75		
	Near Railway compound @ 3.00 m		1	9.68	1.50	0.90	13.07		
							1552.14	**215.28**	**33,145.56**
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.								
	Data rate	1901.00		Area					
	a) 40mm Jelly	Cum	8	0.31		0.40	0.99	1901	**1,885.79**
	Data rate	1901.00							
	b) 20mm Jelly	Cum	8	0.31		0.40	0.99	1901	**1,885.79**
	Data rate	2651.00							
	c) Coarse sand.	Cum	8	0.31		0.30	0.74	2651	**1,972.34**
	Data rate	2651.00							
	d) Fine Sand	Cum	8	0.31		0.20	0.50	2651	**1,314.90**
	Data rate	1901.00							
	e) 12.5mm chips	Cum	8	0.31		0.30	0.74	1901	**1,414.34**
3	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : **HDPE Grade PE80-PN6.0, 630 mm dia.** (Perforated Pipe for Rain Water Harvesting Pit) (BWSSB SR 2017-18, Pg No 121 Item No. 1.17 Code No. K010Q)								
	Basic rate	12121.00							
	Deduct 12% GST	1298.68							
	Total	10822.32							
		Rmt							
	0.63m dia HDPE Perforated Pipe. For 1.8 Mtr depth,		8	1.80			14.40		
							14.40	**10822.32**	**155841.41**

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
4	**Providing of Geonets** for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate								
	Data rate	71.03		Area					
		Sqm	8	0.31			**2.48**	**71.03**	**176.15**
5	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Basic rate	5115.00							
	Area Weightage 6%	306.90							
	Total	**5421.90**							
		Cum							
	RCC Drain								
West Kamakshamma Layout									
	3rd Cross LHS		1	104.00	0.90	0.15	14.04		
	3rd Cross Road RHS		1	102.00	0.90	0.15	13.77		
	3rd Cross Subcross 2 LHS		1	11.00	0.90	0.15	1.49		
	3rd Cross Subcross 2 RHS		1	25.60	0.90	0.15	3.46		
	4th Cross Road LHS		1	128.90	0.90	0.15	17.40		
	4th Cross Road RHS		1	120.00	0.90	0.15	16.20		
	4th Cross Road RHS		1	6.70	0.90	0.15	0.90		
	4th Cross Sub cross 1 LHS,RHS		2	25.50	0.90	0.15	6.89		
	5th Cross Sub cross 1 LHS		1	25.00	0.90	0.15	3.38		
	5th Cross Sub cross 1 RHS		1	26.50	0.90	0.15	3.58		
	6th Cross LHS		1	61.40	0.90	0.15	8.29		
	6th Cross RHS		1	88.00	0.90	0.15	11.88		
	8th Cross LHS		1	35.50	0.90	0.15	4.79		
	8th Cross RHS		1	37.40	0.90	0.15	5.05		
	8th Cross sub cross 1 RHS		1	24.80	0.90	0.15	3.35		
	Railway entrance to vijaya jyothi school		1	155.00	0.90	0.15	20.93		
	Railway entrance to vijaya jyothi school retaining wall		1	145.20	0.90	0.15	19.60		
	2nd cross sub cross 1 LHS		1	24.50	0.90	0.15	3.31		
	2nd cross sub cross 1 RHS		1	24.50	0.90	0.15	3.31		
	1st cross sub cross 1 RHS		1	25.00	0.90	0.15	3.38		
	5th cross LHS		1	32.00	0.90	0.15	4.32		
	5th cross RHS		1	75.00	0.90	0.15	10.13		
New Culverts @ West Kamakshamma Layout									
	Main road LHS @ 39.45 m chainage		1	7.00	1.20	0.15	1.26		
	Main road LHS @ 73.3 m chainage		1	5.40	1.20	0.15	0.90		
	Main road LHS @ 102.25 m chainage		1	6.50	1.20	0.15	1.17		
	Main road LHS @ 136.1 m chainage		1	8.20	1.20	0.15	1.48		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Main road LHS @ 160.5 m chainage		1	5.00	1.20	0.15	0.90		
	Main road LHS @ 180.25 m chainage		1	5.90	1.20	0.15	1.06		
	3rd cross LHS @0.00 mchainage		1	6.50	1.20	0.15	1.17		
	3rd cross RHS @0.00m chainage		1	6.30	1.20	0.15	1.13		
	1st cross @ 44.55 m chainage		1	5.50	1.20	0.15	0.99		
	2nd cross @75.8m chainage		1	6.40	1.20	0.15	1.15		
	3rd cross @108.6m chainage		1	6.20	1.20	0.15	1.12		
	4th cross @ 141m chainage		1	5.20	1.20	0.15	0.94		
	5th cross @ 166.6 m chainage		1	5.40	1.20	0.15	0.97		
New culverts @ West Kondappa Layout									
	30th Cross @0.00 m chainage		1	6.30	1.20	0.15	1.13		
	29th Cross , 1st culvert @12.60m chainage		1	4.80	1.20	0.15	0.86		
	29th Cross , 2nd culvert @44.70m chainage		1	4.80	1.20	0.15	0.86		
	29th Cross , 3rd culvert@ 62.50m chainage		1	4.50	1.20	0.15	0.81		
	27th cross road centre @ 80.00 m chainage		1	6.50	1.20	0.15	1.17		
	New Telugu school road @ 0.00m chainage		1	3.00	1.20	0.15	0.54		
	Near Railway compound @ 3.00 m chainage		1	9.50	1.20	0.15	1.71		
							17.75	**5421.90**	**96,238.73**
6	Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs**. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	6670.00							
	Area Weightage 6%	400.20							
	Total	**7070.20**							
		Cum							
West Kamakshamma Layout									
New Drain									
				RAFT Concrete					
	3rd Cross LHS		1	104.00	0.90	0.15	14.04		
	3rd Cross Road RHS		1	102.00	0.90	0.15	13.77		
	3rd Cross Subcross 2 LHS		1	11.00	0.90	0.15	1.49		
	3rd Cross Subcross 2 RHS		1	25.60	0.90	0.15	3.46		
	4th Cross Road LHS		1	128.90	0.90	0.15	17.40		
	4th Cross Road RHS		1	126.70	0.90	0.15	17.10		
	4th Cross Sub cross 1 LHS,RHS		2	25.50	0.90	0.15	6.89		
	5th Cross Sub cross 1 LHS		1	25.00	0.90	0.15	3.38		
	5th Cross Sub cross 1 RHS		1	26.50	0.90	0.15	3.58		
	6th Cross LHS		1	61.40	0.90	0.15	8.29		
	6th Cross RHS		1	88.00	0.90	0.15	11.88		
	8th Cross LHS		1	35.50	0.90	0.15	4.79		
	8th Cross RHS		1	37.40	0.90	0.15	5.05		
	8th Cross sub cross 1 RHS		1	24.80	0.90	0.15	3.35		
	Railway entrance to vijaya jyothi school		1	155.00	0.90	0.15	20.93		

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Railway entrance to vijaya jyothi school retaining wall		1	145.20	0.90	0.15	19.60		
2nd cross sub cross 1 LHS		1	24.50	0.90	0.15	3.31		
2nd cross sub cross 1 RHS		1	24.50	0.90	0.15	3.31		
1st cross sub cross 1 RHS		1	25.00	0.90	0.15	3.38		
5th cross LHS		1	32.00	0.90	0.15	4.32		
5th cross RHS		1	75.00	0.90	0.15	10.13		
			SIDE WALL Concrete					
3rd Cross LHS		2	104.00	0.15	0.70	21.84		
3rd Cross Road RHS		2	102.00	0.15	0.70	21.42		
3rd Cross Subcross 2 LHS		2	11.00	0.15	0.70	2.31		
3rd Cross Subcross 2 RHS		2	25.60	0.15	0.70	5.38		
4th Cross Road LHS		2	128.90	0.15	0.65	25.14		
4th Cross Road RHS		2	120.00	0.15	0.64	23.04		
4th Cross Road RHS		2	6.70	0.15	0.75	1.51		
4th Cross Sub cross 1 LHS,RHS		4	25.50	0.15	0.70	10.71		
5th Cross Sub cross 1 LHS		2	25.00	0.15	0.70	5.25		
5th Cross Sub cross 1 RHS		2	26.50	0.15	0.70	5.57		
6th Cross LHS		2	61.40	0.15	0.70	12.86		
6th Cross RHS		2	88.00	0.15	0.65	17.16		
8th Cross LHS		2	35.50	0.15	0.65	6.92		
8th Cross RHS		2	37.40	0.15	0.65	7.29		
8th Cross sub cross 1 RHS		2	24.80	0.15	0.65	4.84		
Railway entrance to vijaya jyothi school		2	155.00	0.15	0.65	30.23		
Railway entrance to vijaya jyothi school retaining wall		2	145.20	0.15	0.65	28.31		
2nd cross sub cross 1 LHS		2	24.50	0.15	0.70	5.15		
2nd cross sub cross 1 RHS		2	24.50	0.15	0.65	4.78		
1st cross sub cross 1 RHS		2	25.00	0.15	0.70	5.25		
5th cross LHS		2	32.00	0.15	0.70	6.72		
5th cross RHS		2	75.00	0.15	0.70	15.75		
West Kamakshamma layout New Culverts								
Main road LHS @ 39.45 m chainage		1	7.00	1.20	0.20	1.68		
Main road LHS @ 73.3 m chainage		1	5.40	1.20	0.20	0.90		
Main road LHS@ 102.25 m chainage		1	6.50	1.20	0.20	1.56		
Main road LHS@ 136.1 m chainage		1	8.20	1.20	0.20	1.97		
Main road LHS @ 160.5 m chainage		1	5.00	1.20	0.20	1.20		
Main road LHS @ 180.25 m chainage		1	5.90	1.20	0.20	1.42		
3rd cross LHS @0.00 mchainage		1	6.50	1.20	0.20	1.56		
3rd cross RHS @0.00m chainage		1	6.30	1.20	0.20	1.51		
1st cross@ 44.55 m chainage		1	5.50	1.20	0.20	1.32		
2nd cross@75.8m chainage		1	6.40	1.20	0.20	1.54		
3rd cross @108.6m chainage		1	6.20	1.20	0.20	1.49		
4th cross @ 141m chainage		1	5.20	1.20	0.20	1.25		
5th cross @ 166.6 m chainage		1	5.40	1.20	0.20	1.30		
West Kamakshamma layout New Culverts								
Main road LHS @ 39.45 m chainage		2	7.00	0.23	0.60	1.93		
Main road LHS @ 73.3 m chainage		2	5.40	0.23	0.60	0.90		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Main road LHS @ 102.25 m chainage		2	6.50	0.23	0.60	1.79		
	Main road LHS@ 136.1 m chainage		2	8.20	0.23	0.60	2.26		
	Main road LHS @ 160.5 m chainage		2	5.00	0.23	0.60	1.38		
	Main road LHS@ 180.25 m chainage		2	5.90	0.23	0.60	1.63		
	3rd cross LHS @0.00 mchainage		2	6.50	0.23	0.60	1.79		
	3rd cross RHS @0.00m chainage		2	6.30	0.23	0.60	1.74		
	1st cross @ 44.55 m chainage		2	5.50	0.23	0.60	1.52		
	2nd cross @75.8m chainage		2	6.40	0.23	0.60	1.77		
	3rd cross @108.6m chainage		2	6.20	0.23	0.60	1.71		
	4th cross @ 141m chainage		2	5.20	0.23	0.60	1.44		
	5th cross @ 166.6 m chainage		2	6.75	0.23	0.60	1.86		
West Kondappa layout New culverts raft									
	30th Cross @0.00 m chainage		1	6.30	1.20	0.20	1.51		
	29th Cross , 1st culvert @12.60m chainage		1	4.80	1.20	0.20	1.15		
	29th Cross , 2nd culvert @44.70m chainage		1	4.80	1.20	0.20	1.15		
	29th Cross , 3rd culvert @ 62.50m chainage		1	4.50	1.20	0.20	1.08		
	27th cross road centre @ 80.00 m chainage		1	6.50	1.20	0.20	1.56		
	New Telugu school road @ 0.00m chainage		1	5.00	1.20	0.20	1.20		
	Near Railway compound @ 3.00 m chainage		1	9.50	1.20	0.20	2.28		
West Kondappa layout New culverts walls									
	30th Cross @0.00 m chainage		2	6.30	0.23	0.60	1.74		
	29th Cross , 1st culvert @12.60m		2	4.80	0.23	0.60	1.32		
	29th Cross , 2nd culvert @44.70m		2	4.80	0.23	0.60	1.32		
	29th Cross , 3rd culvert		2	4.50	0.23	0.60	1.24		
	27th cross road centre@ 80.00 m		2	6.50	0.23	0.60	1.79		
	New Telugu school road @ 0.00m		2	5.00	0.23	0.60	1.38		
	Near Railway compound @ 3.00 m		2	9.50	0.23	0.60	2.62		
							508.59	**7070.20**	**3595833.02**
7	KSRRB - M2300-14: **Providing TMT steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	69804.00							
	Area Weightage 6%	4188.24							

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Total	73992.24							
		Tn							
	West Kamakshamma Layout								
	For Drain 60kg/cum			472.47	0.06		28.35		
	For Culvert 90kg/cum			36.12	0.09		3.25		
							31.60	**73992.24**	**2338080.79**
8	Providing and Fixing **pre cast covering Slab 100mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Data rate	2337.00							
		Sqm							
	West Kamakshamma Layout								
	3rd Cross LHS		1	104.00	0.90		93.60		
	3rd Cross RHS		1	102.00	0.90		91.80		
	3rd cross sub cross 2 LHS		1	11.00	0.90		9.90		
	3rd cross sub cross 2 RHS		1	25.60	0.90		23.04		
	4th Cross Road LHS		1	128.90	0.90		116.01		
	4th Cross Road RHS		1	120.00	0.90		108.00		
	4th Cross Road RHS		1	6.70	0.90		6.03		
	4th sub cross 1 LHS,RHS		2	25.50	0.90		22.95		
	5th sub cross 1 LHS		1	25.00	0.90		22.50		
	5th sub cross 1 RHS		1	26.50	0.90		23.85		
	6th cross LHS		1	61.40	0.90		55.26		
	6th cross RHS		1	88.00	0.90		79.20		
	8th Cross Road LHS		1	35.50	0.90		31.95		
	8th Cross Road RHS		1	37.40	0.90		33.66		
	8th cross subcross 1 RHS		1	24.80	0.90		22.32		
	railway entrance to vijaya jyothi school LHS		1	155.45	0.75		116.59		
	railway entrance to vijaya jyothi school RHS		1	151.00	0.75		113.25		
	2nd cross sub cross 1 LHS		1	24.50	0.90		22.05		
	2nd cross sub cross 1 RHS		1	24.50	0.90		22.05		
	1st cross sub cross 1 RHS		1	25.00	0.90		22.50		
	5th cross LHS		1	32.00	0.90		28.80		
	5th cross RHS		1	75.00	0.90		67.50		
							1132.81		
	Deduct 50% available slabs						566.40		
						Total Qty	**566.40**	**2337.00**	**1323676.8**
9	Providing and fixing **RCC precast cover slab of 250mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	5418.00							
		Sqm							
	West Kamakshamma Layout New Culverts								
			10	7.00	1.20		84.00		
	Culvert						**84.00**	**5418.00**	**455112.00**

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
10	Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	West Kamakshamma Layout								
	Railway entrance to vijaya jyothi school RHS		1	100.00			100	m	
							222	Nos	
							222	**432.48**	**96,010.56**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
11	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.								
	West Kamakshamma Layout								
	Railway entrance to vijaya jyothi school RHS		1	100.00	0.35		35		
							35	**84.80**	**2,968.00**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
12	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications								
	Basic rate	41.00							
	Area Weightage 6%	2.46							
	8km lead	20.48							
	Total	**63.94**							
	West Kamakshamma layout Connecting patches								
	Connecting patches								
	1st cross road		1	13.50	6.00	0.30	24.30		
	2nd cross road		1	13.50	6.00	0.30	24.30		
	3rd cross road		1	12.00	6.00	0.30	21.60		
	4th cross road		1	12.50	6.00	0.30	22.50		
	5th cross road		1	10.50	6.00	0.30	18.90		
	6th cross road		1	8.28	5.00	0.30	12.42		
							124.02	**63.94**	**7,929.84**
13	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. Loading and unloading								
	Basic rate	899.00							
	Area Weightage 6%	53.94							
	8km lead	20.48							
	Total	973.42							
		Cum							

No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
West Kamakshamma Layout									
	3rd Cross								
	4th Cross		1	104	6.17	0.20	128.34		
	5th Cross		1	141.00	5.82	0.20	164.12		
	6th Cross after connecting patch		1	146.00	4.85	0.20	141.62		
			1	51	3.00	0.20	30.56		
							464.64	**973.42**	**452289.87**
14	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5. with OPC at 150 kg/cum and coarse aggregate .86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with Slip form paver with electronic sensor.								
	Basic rate	3585.00							
	Area Weightage 6%	215.10							
	Total	**3800.10**							
		Cum							
CC Road									
Connecting patches									
	1st cross road		1	13.00	5.50	0.15	10.73		
	2nd cross road		1	13.00	5.50	0.15	10.73		
	3rd cross road		1	11.60	5.70	0.15	9.92		
	4th cross road		1	12.00	5.50	0.15	9.90		
	5th cross road		1	10.00	5.50	0.15	8.25		
	6th cross road		1	7.70	4.10	0.15	4.74		
	3rd Cross		1	104.00	6.05	0.15	94.44		
	4th Cross		1	141.00	5.77	0.15	121.97		
	5th Cross		1	146.00	4.85	0.15	106.22		
	6th Cross after connecting patch		1	51.00	4.39	0.15	33.61		
							410.49	**3800.10**	**1559903.05**

No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
15	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound.								
	Basic rate	4916.00							
	Area Weightage 6%	294.96							
	Total	5210.96							
		Cum							
CC Road									
Connecting patches									
	1st cross road		1	13.00	5.50	0.15	10.73		
	2nd cross road		1	13.00	5.50	0.15	10.73		
	3rd cross road		1	11.60	5.70	0.15	9.92		
	4th cross road		1	12.00	5.50	0.15	9.90		
	5th cross road		1	10.00	5.50	0.15	8.25		
	6th cross road		1	7.70	4.10	0.15	4.74		
	3rd Cross		1	104.00	6.05	0.15	94.44		
	4th Cross		1	141.00	5.77	0.15	121.97		
	5th Cross		1	146.00	4.85	0.15	106.22		
	6th Cross after connecting patch		1	51.00	4.39	0.15	33.61		
							410.49	5210.96	2139046.97
								Total Construction Cost	12565725.90
								Towards GST 12%	1507887.11
								Towards Tender Premium 5%	628286.30
								DPR & PMC Charges 2%	298000.00
								Sub Total	14999899.31
								Miscellaneous & Rounding Off	100.69
								Total	15000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 01-07-2020 and Data Rates

Assistant Engineer
Ward 02
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore

Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Compheresive Development of balance roads and drains at A sector in Ward no 04 Yelahanka New Town Sub Division

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	KSRRB 300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(I No-19.1, P No-143), 8km lead								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	Loading and Unloding & Lead, 4KM	77.48							
	Total	**215.28**							
		Cum							
	RCC Drain								
	Ward 04, A sector								
	5th A Cross RHS		1	121.70	1.20	0.90	131.44		
	14th A Main LHS		1	106.20	1.20	0.90	114.70		
	4th A Cross RHS		1	77.00	1.30	0.90	90.09		
	15th A Main RHS		1	109.00	1.30	0.90	127.53		
	7th A Cross, LHS		1	157.00	1.30	0.90	183.69		
	7th A Cross, RHS		1	51.00	1.30	0.90	59.67		
	8th A Cross, LHS		1	172.00	1.30	0.90	201.24		
	8th A Cross, RHS		1	265.00	1.30	0.90	310.05		
	14th A Main ACM house opposite RHS		1	39.50	1.30	0.90	46.22		
	14th A Main opposite Omkar nilaya LHS		1	40.00	1.30	0.90	46.80		
	14th A Main opposite to MEC School RHS		1	28.50	1.30	0.90	33.35		
	14th A Main opposite to MEC School LHS		1	35.00	1.30	0.90	40.95		
	KK Hospital side road near Anand Sajjan House		1	35.00	1.30	0.90	40.95		
	8th A Cross Raghavendra Swamy Temple Road RHS		1	56.00	1.30	0.90	65.52		
	4th A Cross, LHS		1	160.00	1.30	0.90	187.20		
	4th A Cross, RHS		1	169.50	1.30	0.90	198.32		
	15th A Main Poornapragna Education back side RHS		1	118.00	1.30	0.90	138.06		
	12th A main near vasu house RHS		1	30.00	1.30	0.90	35.10		
	9th A cross RHS		1	138.00	1.30	0.90	161.46		
	9th A cross LHS		1	128.00	1.30	0.90	149.76		
	4th A Main near 14th A Cross Junction RHS		1	18.00	1.30	0.90	21.06		
	4th A Main near 14th A Cross Junction LHS		1	44.00	1.30	0.90	51.48		
	14th A Cross near 4th A Main Junction LHS		1	50.00	1.30	0.90	58.50		
	Ganesha theatre 2nd A cross LHS		1	134.00	1.30	0.90	156.78		

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Ganesha theatre 2nd A cross RHS		1	135.00	1.30	0.90	157.95		
	11th A cross RHS		1	59.00	1.30	0.90	69.03		
	11th A cross LHS		1	79.00	1.30	0.90	92.43		
	2nd A main near 14th A Croos Junction RHS		1	53.00	1.30	0.90	62.01		
	2nd A main near 14th A Cross Junction LHS		1	35.00	1.30	0.90	40.95		
	14th A cross near 2nd A Main Junction LHS		1	13.50	1.30	1.00	17.55		
	14th A cross near 2nd A Main junction LHS		1	20.30	1.30	1.00	26.39		
	14th A cross near 6th A Main junction RHS		1	27.50	1.30	0.90	32.18		
	13th A cross LHS		1	94.00	1.30	0.90	109.98		
	13th A cross RHS		1	80.00	1.30	0.90	93.60		
	16th A cross LHS		1	138.50	1.30	1.00	180.05		
	7th A main RHS		1	20.50	1.30	1.00	26.65		
	6th A Main near 14th A Cross Junction RHS		1	47.00	1.30	0.90	54.99		
	Extra cutting at 9th A cross RHS		1	138.00	0.40	0.30	16.56		
	Extra cutting at 9th A cross LHS		1	50.00	0.40	0.30	6.00		
	CC road at KK Hospital side		1	33.19	3.50	0.45	52.28		
A sector Culverts									
	13th A cross @ 0.00 m chainage		1	8.00	1.50	1.00	12.00		
	12th A cross @ 0.00 m chainage		1	8.00	1.50	1.00	12.00		
	3rd A main @ 0.00m chainage		1	8.00	1.50	1.00	12.00		
	4th A cross @ 69.00 m chainage		1	8.50	1.50	1.00	12.75		
	KK hospital side road culvert		1	5.80	1.50	1.00	8.70		
				Area					
	Rain Water Harvesting pits		21	0.31		2.00	13.02		
							3758.96	215.28	809228.48
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.								
	Data rate	1901.00		Area					
	a) 40mm Jelly	Cum	21	0.31		0.40	2.60	1901	4,950.20
	Data rate	1901.00							
	b) 20mm Jelly	Cum	21	0.31		0.40	2.60	1901	4,950.20
	Data rate	2651.00							
	c) Coarse sand.	Cum	21	0.31		0.30	1.95	2651	5,177.40
	Data rate	2651.00							
	d) Fine Sand	Cum	21	0.31		0.20	1.30	2651	3,451.60
	Data rate	1901.00							
	e) 12.5mm chips	Cum	21	0.31		0.30	1.95	1901	3,712.65

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
3	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : **HDPE Grade PE80-PN6.0, 630 mm dia.** (Perforated Pipe for Rain Water Harvesting Pit) (BWSSB SR 2017-18, Pg No 121 Item No. 1.17 Code No. K010Q)								
	Basic rate	12121.00							
	Deduct 12% GST	1298.68							
	Total	10822.32							
		Rmt							
	0.63m dia HDPE Perforated Pipe. For 1.8 Mtr depth,		21	1.80			37.80		
							37.80	**10822.32**	**409083.70**
4	**Providing of Geonets** for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate								
	Data rate	71.03		Area					
		Sqm	21	0.31			6.51	71.03	462.41
							6.51		
5	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Basic rate	5115.00							
	Area Weightage 6%	306.90							
	Total	**5421.90**							
		Cum							
	RCC Drain								
	Ward 04, A sector								
	5th A Cross RHS		1	121.70	1.30	0.15	23.73		
	14th A Main LHS		1	106.20	1.30	0.15	20.71		
	4th A Cross RHS		1	77.00	1.30	0.15	15.02		
	15th A Main RHS		1	109.00	1.30	0.15	21.26		
	7th A Cross, LHS		1	157.00	1.30	0.15	30.62		
	7th A Cross, RHS		1	51.00	1.30	0.15	9.95		
	8th A Cross, LHS		1	172.00	1.30	0.15	33.54		
	8th A Cross, RHS		1	265.00	1.30	0.15	51.68		
	14th A Main ACM house opposite RHS		1	39.50	1.30	0.15	7.70		
	14th A Main opposite Omkar nilaya LHS		1	40.00	1.30	0.15	7.80		
	14th A Main opposite to MEC School RHS		1	28.50	1.30	0.15	5.56		
	14th A Main opposite to MEC School LHS		1	35.00	1.30	0.15	6.83		
	KK Hospital side road near Anand Sajjan House		1	35.00	1.30	0.15	6.83		

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	8th A Cross Raghavendra Swamy Temple Road RHS		1	56.00	1.30	0.15	10.92		
	4th A Cross, LHS		1	160.00	1.30	0.15	31.20		
	4th A Cross, RHS		1	169.50	1.30	0.15	33.05		
	15th A Main Poornapragna Education back side RHS		1	118.00	1.30	0.15	23.01		
	12th A main near vasu house RHS		1	30.00	1.30	0.15	5.85		
	9th A cross RHS		1	138.00	1.30	0.15	26.91		
	9th A cross LHS		1	128.00	1.30	0.15	24.96		
	4th A Main near 14th A Cross Junction RHS		1	18.00	1.30	0.15	3.51		
	4th A Main near 14th A Cross Junction LHS		1	44.00	1.30	0.15	8.58		
	14th A Cross near 4th A Main Junction LHS		1	50.00	1.30	0.15	9.75		
	Ganesha theatre 2nd A cross LHS		1	134.00	1.30	0.15	26.13		
	Ganesha theatre 2nd A cross RHS		1	135.00	1.30	0.15	26.33		
	11th A cross RHS		1	59.00	1.30	0.15	11.51		
	11th A cross LHS		1	79.00	1.30	0.15	15.41		
	2nd A main near 14th A Croos Junction RHS		1	53.00	1.30	0.15	10.34		
	2nd A main near 14th A Cross Junction LHS		1	35.00	1.30	0.15	6.83		
	14th A cross near 2nd A Main Junction LHS		1	13.50	1.30	0.15	2.63		
	14th A cross near 2nd A Main junction LHS		1	20.30	1.30	0.15	3.96		
	14th A cross near 6th A Main junction RHS		1	27.50	1.30	0.15	5.36		
	13th A cross LHS		1	94.00	1.30	0.15	18.33		
	13th A cross RHS		1	80.00	1.30	0.15	15.60		
	16th A cross LHS		1	138.50	1.30	0.15	27.01		
	7th A main RHS		1	20.50	1.30	0.15	4.00		
	6th A Main near 14th A Cross Junction RHS		1	47.00	1.30	0.15	9.17		
	Extra cutting at 9th A cross RHS		1	138.00	0.40	0.20	11.04		
	Extra cutting at 9th A cross LHS		1	50.00	0.40	0.20	4.00		
	CC road at KK Hospital side		1	33.19	4.97	0.15	24.73		
A sector Culverts									
	13th A cross @ 0.00 m chainage		1	8.00	1.50	0.15	1.80		
	12th A cross @ 0.00 m chainage		1	8.00	1.50	0.15	1.80		
	3rd A main @ 0.00m chainage		1	8.00	1.50	0.15	1.80		
	4th A cross @ 69.00 m chainage		1	8.50	1.50	0.15	1.91		
	KK hospital side road culvert		1	5.80	1.50	0.15	1.31		
							649.91	5421.90	3523719.92

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
6	Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs**. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	6670.00							
	Area Weightage 6%	400.20							
	Total	**7070.20**							
		Cum							
	RCC Drain								
	Raft								
	Ward 04, A sector								
	RCC Drain								
	5th A Cross RHS		1	121.70	0.90	0.15	16.43		
	14th A Main LHS		1	106.20	0.90	0.15	14.34		
	4th A Cross RHS		1	77.00	0.90	0.15	10.40		
	15th A Main RHS		1	109.00	0.90	0.15	14.72		
	7th A Cross, LHS		1	157.00	0.90	0.15	21.20		
	7th A Cross, RHS		1	51.00	0.90	0.15	6.89		
	8th A Cross, LHS		1	172.00	0.90	0.15	23.22		
	8th A Cross, RHS		1	265.00	0.90	0.15	35.78		
	14th A Main ACM house opposite RHS		1	39.50	0.90	0.15	5.33		
	14th A Main opposite Omkar nilaya LHS		1	40.00	0.90	0.15	5.40		
	14th A Main opposite to MEC School RHS		1	28.50	0.90	0.15	3.85		
	14th A Main opposite to MEC School LHS		1	35.00	0.90	0.15	4.73		
	KK Hospital side road near Anand Sajjan House		1	35.00	0.90	0.15	4.73		
	8th A Cross Raghavendra Swamy Temple Road RHS		1	56.00	0.90	0.15	7.56		
	4th A Cross, LHS		1	160.00	0.90	0.15	21.60		
	4th A Cross, RHS		1	169.50	0.90	0.15	22.88		
	15th A Main Poornapragna Education back side RHS		1	118.00	0.90	0.15	15.93		
	12th A main near vasu house RHS		1	30.00	0.90	0.15	4.05		
	9th A cross RHS		1	138.00	0.90	0.15	18.63		
	9th A cross LHS		1	128.00	0.90	0.15	17.28		
	4th A Main near 14th A Cross Junction RHS		1	18.00	0.90	0.15	2.43		
	4th A Main near 14th A Cross Junction LHS		1	44.00	0.90	0.15	5.94		
	14th A Cross near 4th A Main Junction LHS		1	50.00	0.90	0.15	6.75		
	Ganesha theatre 2nd A cross LHS		1	134.00	0.90	0.15	18.09		
	Ganesha theatre 2nd A cross RHS		1	135.00	0.90	0.15	18.23		
	11th A cross RHS		1	59.00	0.90	0.15	7.97		
	11th A cross LHS		1	79.00	0.90	0.15	10.67		

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	2nd A main near 14th A Croos Junction RHS		1	53.00	0.90	0.15	7.16		
	2nd A main near 14th A Cross Junction LHS		1	35.00	0.90	0.15	4.73		
	14th A cross near 2nd A Main Junction LHS		1	13.50	0.90	0.15	1.82		
	14th A cross near 2nd A Main junction LHS		1	20.30	0.90	0.15	2.74		
	14th A cross near 6th A Main junction RHS		1	27.50	0.90	0.15	3.71		
	13th A cross LHS		1	94.00	0.90	0.15	12.69		
	13th A cross RHS		1	80.00	0.90	0.15	10.80		
	16th A cross LHS		1	138.50	0.90	0.15	18.70		
	7th A main RHS		1	20.50	0.90	0.15	2.77		
	6th A Main near 14th A Cross Junction RHS		1	47.00	0.90	0.15	6.35		
	Wall								
	Ward 04, A sector								
	5th A Cross RHS		2	121.70	0.15	0.75	27.38		
	14th A Main LHS		2	106.20	0.15	0.70	22.30		
	4th A Cross RHS		2	77.00	0.15	0.75	17.33		
	15th A Main RHS		2	109.00	0.15	0.70	22.89		
	7th A Cross, LHS		2	157.00	0.15	0.70	32.97		
	7th A Cross, RHS		2	51.00	0.15	0.70	10.71		
	8th A Cross, LHS		2	172.00	0.15	0.75	38.70		
	8th A Cross, RHS		2	265.00	0.15	0.75	59.63		
	14th A Main ACM house opposite RHS		2	39.50	0.15	0.75	8.89		
	14th A Main opposite Omkar nilaya LHS		2	40.00	0.15	0.70	8.40		
	14th A Main opposite to MEC School RHS		2	28.50	0.15	0.75	6.41		
	14th A Main opposite to MEC School LHS		2	35.00	0.15	0.69	7.25		
	KK Hospital side road near Anand Sajjan House		2	35.00	0.15	0.70	7.35		
	8th A Cross Raghavendra Swamy Temple Road RHS		2	56.00	0.15	0.70	11.76		
	4th A Cross, LHS		2	160.00	0.15	0.70	33.60		
	4th A Cross, RHS		2	169.50	0.15	0.70	35.60		
	15th A Main Poornapragna Education back side RHS		2	90.00	0.15	0.70	18.90		
	12th A main near vasu house RHS		2	30.00	0.15	0.70	6.30		
	9th A cross RHS		2	138.00	0.15	0.70	28.98		
	9th A cross LHS		2	128.00	0.15	0.70	26.88		
	4th A Main near 14th A Cross Junction RHS		2	18.00	0.15	0.70	3.78		
	4th A Main near 14th A Cross Junction LHS		2	44.00	0.15	0.70	9.24		
	14th A Cross near 4th A Main Junction LHS		2	50.00	0.15	0.70	10.50		
	Ganesha theatre 2nd A cross LHS		2	134.00	0.15	0.71	28.54		
	Ganesha theatre 2nd A cross RHS		2	135.00	0.15	0.70	28.35		
	11th A cross RHS		2	59.00	0.15	0.70	12.39		

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	11th A cross LHS		2	79.00	0.15	0.70	16.59		
	2nd A main near 14th A Croos Junction RHS		2	53.00	0.15	0.70	11.13		
	2nd A main near 14th A Cross Junction LHS		2	35.00	0.15	0.70	7.35		
	14th A cross near 2nd A Main Junction LHS		2	13.50	0.15	0.75	3.04		
	14th A cross near 2nd A Main junction LHS		2	20.30	0.15	0.75	4.57		
	14th A cross near 6th A Main junction RHS		2	27.50	0.15	0.73	6.02		
	13th A cross LHS		2	94.00	0.15	0.75	21.15		
	13th A cross RHS		2	80.00	0.15	0.70	16.80		
	16th A cross LHS		2	138.50	0.15	0.70	29.09		
	7th A main RHS		2	20.50	0.15	0.75	4.62		
	6th A Main near 14th A Cross Junction RHS		1	47.00	0.15	0.70	4.94		
	Extra cutting at 9th A cross RHS		1	138.00	0.40	0.15	8.28		
	Extra cutting at 9th A cross LHS		1	50.00	0.40	0.15	3.00		
	CC road at KK Hospital side		1	35.00	3.50	0.20	24.50		
A sector Culverts Raft									
	13th A cross @ 0.00 m chainage		1	8.00	1.20	0.20	1.92		
	12th A cross @ 0.00 m chainage		1	8.00	1.20	0.20	1.92		
	3rd A main @ 0.00m chainage		1	8.00	1.20	0.20	1.92		
	4th A cross @ 69.00 m chainage		1	8.50	1.20	0.20	2.04		
	KK hospital side road culvert		1	5.80	1.20	0.20	1.39		
	Ramp for culverts		10	8.19	0.50	0.15	6.14		
A sector Culverts walls									
	13th A cross @ 0.00 m chainage		2	8.00	0.23	0.60	2.21		
	12th A cross @ 0.00 m chainage		2	8.00	0.23	0.60	2.21		
	3rd A main @ 0.00m chainage		2	8.00	0.23	0.60	2.21		
	4th A cross @ 69.00 m chainage		2	8.50	0.23	0.60	2.35		
	KK hospital side road culvert		2	5.80	0.23	0.60	1.60		
							1128.43	**7070.20**	**7978210.23**
7	KSRRB - M2300-14: **Providing TMT steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	69804.00							
	Area Weightage 6%	4188.24							
	Total	73992.24							
		Tn							
	RCC Drain								
	For Drain 60kg/cum			1107.38	0.06		66.44		
	For Culvert 90kg/cum			21.05	0.09		1.89		

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
							68.34	73992.24	5056426.35
8	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete As per Engineer incharge. (Data Rate)								
	Data rate	2337.00							
		Sqm							
	RCC Drain								
	Ward 04, A sector								
	5th A Cross RHS		1	121.70	0.90		54.77		
	14th A Main LHS		1	106.20	0.90		47.79		
	4th A Cross RHS		1	77.00	0.90		34.65		
	15th A Main RHS		1	109.00	0.90		49.05		
	7th A Cross, LHS		1	157.00	0.90		141.30		
	7th A Cross, RHS		1	51.00	0.90		45.90		
	8th A Cross, LHS		1	172.00	0.90		154.80		
	8th A Cross, RHS		1	265.00	0.90		119.25		
	14th A Main ACM house opposite RHS		1	39.50	0.90		17.78		
	14th A Main opposite Omkar nilaya LHS		1	40.00	0.90		18.00		
	14th A Main opposite to MEC School RHS		1	28.50	0.90		12.83		
	14th A Main opposite to MEC School LHS		1	35.00	0.90		15.75		
	KK Hospital side road near Anand Sajjan House		1	35.00	0.90		15.75		
	8th A Cross Raghavendra Swamy Temple Road RHS		1	56.00	0.90		25.20		
	4th A Cross, LHS		1	160.00	0.90		72.00		
	4th A Cross, RHS		1	169.50	0.90		76.28		
	15th A Main Poornapragna Education back side RHS		1	118.00	0.90		53.10		
	12th A main near vasu house RHS		1	30.00	0.90		13.50		
	9th A cross RHS		1	138.00	0.90		62.10		
	9th A cross LHS		1	128.00	0.90		57.60		
	4th A Main near 14th A Cross Junction RHS		1	18.00	0.90		8.10		
	4th A Main near 14th A Cross Junction LHS		1	44.00	0.90		19.80		
	14th A Cross near 4th A Main Junction LHS		1	50.00	0.90		22.50		
	Ganesha theatre 2nd A cross LHS		1	134.00	0.90		60.30		
	Ganesha theatre 2nd A cross RHS		1	165.00	0.90		60.75		
	11th A cross RHS		1	59.00	0.90		26.55		
	11th A cross LHS		1	79.00	0.90		35.55		
	2nd A main near 14th A Croos Junction RHS		1	53.00	0.90		23.85		
	2nd A main near 14th A Cross Junction LHS		1	35.00	0.90		15.75		
	14th A cross near 2nd A Main Junction LHS		1	13.50	0.90		6.08		

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	14th A cross near 2nd A Main junction LHS		1	20.30	0.90		9.14		
	14th A cross near 6th A Main junction RHS		1	27.50	0.90		12.38		
	13th A cross LHS		1	94.00	0.90		42.30		
	13th A cross RHS		1	80.00	0.90		36.00		
	16th A cross LHS		1	138.50	0.90		62.33		
	7th A main RHS		1	20.50	0.90		10.52		
	6th A Main near 14th A Cross Junction RHS		1	47.00	0.90		52.65		
							1591.95	**2337.00**	**3720387.15**
9	Providing and fixing **RCC precast cover slab of 250mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	5418.00							
		Sqm							
	13th A Cross		1	8.00	1.20		9.60		
	12th A Cross		1	8.00	1.20		9.60		
	3rd A main		1	8.00	1.20		9.60		
	4th A Cross		1	8.50	1.20		10.20		
	KK Hospital Side road		1	8.30	1.20		9.96		
							48.96	**5418.00**	**265265.28**
10	Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	For Drain	**Nos**							
	Ward 04, A sector								
	5th A Cross RHS		1	121.70			270		
	14th A Main LHS		1	106.20			236		
	4th A Cross RHS		1	77.00			171		
	15th A Main RHS		1	109.00			242		
	7th A Cross, LHS		1	157.00			349		
	7th A Cross, RHS		1	51.00			113		
	8th A Cross, LHS		1	172.00			382		
	8th A Cross, RHS		1	265.00			589		
	14th A Main ACM house opposite RHS		1	39.50			88		
	14th A Main opposite Omkar nilaya LHS		1	40.00			89		
	14th A Main opposite to MEC School RHS		1	28.50			63		
	14th A Main opposite to MEC School LHS		1	35.00			78		
	KK Hospital side road near Anand Sajjan House		1	35.00			78		
	8th A Cross Raghavendra Swamy Temple Road RHS		1	56.00			124		
	4th A Cross, LHS		1	160.00			356		
	4th A Cross, RHS		1	169.50			377		

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	15th A Main Poornapragna Education back side RHS		1	118.00			262		
	12th A main near vasu house RHS		1	30.00			67		
	9th A cross RHS		1	138.00			307		
	9th A cross LHS		1	128.00			284		
	4th A Main near 14th A Cross Junction RHS		1	18.00			40		
	4th A Main near 14th A Cross Junction LHS		1	44.00			98		
	14th A Cross near 4th A Main Junction LHS		1	50.00			111		
	Ganesha theatre 2nd A cross LHS		1	134.00			298		
	Ganesha theatre 2nd A cross RHS		1	135.00			300		
	11th A cross RHS		1	59.00			131		
	11th A cross LHS		1	79.00			176		
	2nd A main near 14th A Croos Junction RHS		1	53.00			118		
	2nd A main near 14th A Cross Junction LHS		1	35.00			78		
	14th A cross near 2nd A Main Junction LHS		1	13.50			30		
	14th A cross near 2nd A Main junction LHS		1	20.30			45		
	14th A cross near 6th A Main junction RHS		1	27.50			61		
	13th A cross LHS		1	94.00			209		
	13th A cross RHS		1	80.00			178		
	16th A cross LHS		1	138.50			308		
	7th A main RHS		1	20.50			46		
	6th A Main near 14th A Cross Junction RHS		1	47.00			104		
	Missing kerbs in A Sector						685		
							7540	432.48	3260899.20
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
11	**Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
A sector									
	5th A Cross RHS		1	121.70		0.30	37		
	14th A Main LHS		1	106.20		0.30	32		
	4th A Cross RHS		1	77.00		0.30	23		
	15th A Main RHS		1	109.00		0.30	33		
	7th A Cross, LHS		1	157.00		0.30	47		

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	7th A Cross, RHS		1	51.00		0.30	15		
	8th A Cross, LHS		1	172.00		0.30	52		
	8th A Cross, RHS		1	265.00		0.30	80		
	14th A Main ACM house opposite RHS		1	39.50		0.30	12		
	14th A Main opposite Omkar nilaya LHS		1	40.00		0.30	12		
	14th A Main opposite to MEC School RHS		1	28.50		0.30	9		
	14th A Main opposite to MEC School LHS		1	35.00		0.30	11		
	KK Hospital side road near Anand Sajjan House		1	35.00		0.30	11		
	8th A Cross Raghavendra Swamy Temple Road RHS		1	56.00		0.35	20		
	4th A Cross, LHS		1	160.00		0.35	56		
	4th A Cross, RHS		1	169.50		0.35	59		
	15th A Main Poornapragna Education back side RHS		1	118.00		0.35	41		
	12th A main near vasu house RHS		1	30.00		0.35	11		
	9th A cross RHS		1	138.00		0.35	48		
	9th A cross LHS		1	128.00		0.35	45		
	4th A Main near 14th A Cross Junction RHS		1	18.00		0.35	6		
	4th A Main near 14th A Cross Junction LHS		1	44.00		0.35	15		
	14th A Cross near 4th A Main Junction LHS		1	50.00		0.35	18		
	Ganesha theatre 2nd A cross LHS		1	134.00		0.35	47		
	Ganesha theatre 2nd A cross RHS		1	135.00		0.35	47		
	11th A cross RHS		1	59.00		0.35	21		
	11th A cross LHS		1	79.00		0.35	28		
	2nd A main near 14th A Croos Junction RHS		1	53.00		0.35	19		
	2nd A main near 14th A Cross Junction LHS		1	35.00		0.35	12		
	14th A cross near 2nd A Main Junction LHS		1	13.50		0.35	5		
	14th A cross near 2nd A Main junction LHS		1	20.30		0.35	7		
	14th A cross near 6th A Main junction RHS		1	27.50		0.35	10		
	13th A cross LHS		1	94.00		0.35	33		
	13th A cross RHS		1	80.00		0.35	28		
	16th A cross LHS		1	138.50		0.35	48		
	7th A main RHS		1	20.50		0.35	7		
	6th A Main near 14th A Cross Junction RHS		1	47.00		0.35	17		
							1017.90	84.80	86,317.92

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
							Total Construction Cost	25132242.69
							Towards GST 12%	3015869.12
							Towards Tender Premium 5%	1256612.13
							DPR & PMC Charges 2%	595000.00
							Sub Total	29999723.95
							Miscellaneous & Rounding Off	276.05
							Total	30000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 01-07-2020 and Data Rates

Assistant Engineer
Ward 04
BBMP Bangalore

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore